YCS SW2 A NEW

Two Input Transcoding Switcher with Audio

FEATURES

- **Digital quad standard decoder/encoder**
- **Digitally decodes composite video input into S-video**
- **Digitally encodes S-video input into composite video**
- **Integrated audio switcher**
- **Autoswitching capabilities**
- **Time base stabilization**
- **Contact closure remote control**
- **Compact, durable metal enclosure**
- **External universal power supply included**, part # 70-055-01

DESCRIPTION

The Extron **YCS SW2 A** is a two input, dual output video and audio switcher with transcoding capabilities. Using a high-quality, three-line digital comb filter, the YCS SW2 A accepts NTSC 3.58, NTSC 4.43, PAL, or SECAM composite video and decodes the signal into S-video. As an encoder, it is able to combine luma and chroma signals and output a composite video image. Enhanced video processing stabilizes and improves display output from input sources such as consumer VCRs, worn or multi-generation VHS tapes, and other devices with unstable sync signals. An integrated audio switcher provides a discrete audio input for each video source, which can expand the audio input capabilities of many low-cost video projectors.

Ideal for conference rooms, classrooms, and video conferencing applications, the YCS SW2 A is equipped with autoswitching capabilities, which eases use by automatically selecting the active input. In addition, simultaneous composite video and S-video outputs allow for the ability to record and distribute video to the display at the same time. The YCS SW2 A is housed in a compact enclosure and includes tactile, front panel switch buttons for manual input switching, as well as contact closure remote control.

SPECIFICATIONS

VIDEO

Gain	Unity
Bandwidth	5 MHz (-3 dB)
Crosstalk	-60 dB @ 3.58 MHz
Switching speed	5 ms (max.)
Standards	NTSC 3.58, NTSC 4.43, PAL, PAL N, SECAM; autodetected

VIDEO INPUT

Number/signal type	1 S-video, 1 composite video
Connectors	1 female 4-pin mini DIN and 1 female BNC
Nominal level	1 Vp-p for Y of S-video and for composite video 0.3 Vp-p for C of S-video
Minimum/maximum levels	Analog: 0.3 V to 1.5 Vp-p for video and Y with no offset at unity gain
Impedance	75 ohms
Return loss	-34 dB for composite video, -27 dB for Y, -31 dB for C @ 5 MHz
DC offset (max. allowable)	5.0 V
Input coupling	AC coupled

VIDEO OUTPUT

Number/signal type	1 S-video, 1 composite video
Connectors	1 female 4-pin mini DIN for S-video 1 female BNC for composite video
Nominal level	1 Vp-p for Y of S-video and for composite video 0.3 Vp-p for C of S-video
Minimum/maximum levels	0.3 V to 1 Vp-p for video and Y
Impedance	75 ohms
Return loss	-40 dB @ 3.58 MHz
DC offset	±300 mV with input at 0 offset

AUDIO

Gain	Unbalanced output: 0 dB
Frequency response	20 Hz to 20 kHz, ±0.5 dB
THD + Noise	<0.04% @ 1 kHz at nominal level
S/N	>90 dB at maximum output (unweighted)
Stereo channel separation	>80 dB @ 1 kHz

AUDIO INPUT

Number/signal type	2 stereo, unbalanced
Connectors	4 RCA female
Impedance	>12k ohms unbalanced, DC coupled
Nominal level	-10 dBV (316 mVrms), unbalanced
Maximum level	>+12 dBu, unbalanced at 1% THD+N

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

AUDIO OUTPUT

Number/signal type	1 stereo, unbalanced
Connectors	2 RCA female
Impedance	50 ohms unbalanced
Maximum level (Hi-Z)	>+12 dBu, unbalanced at 1% THD+N
Maximum level (600 ohm)	>+10.5 dBu, unbalanced at 1% THD+N
Nominal level	-10 dBV, unbalanced

CONTROL/REMOTE

Contact closure	1 female 3.5 mm captive screw connector, 3 pole

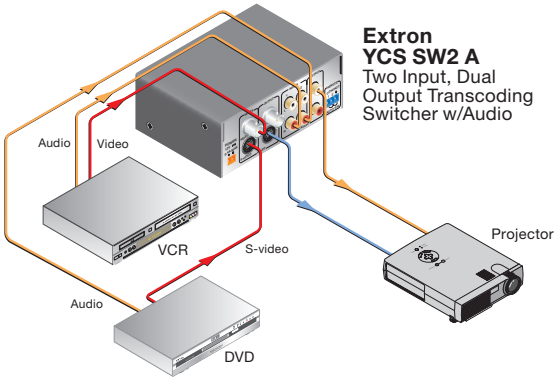
Contact closure pin configurations

1 = input 1, 2 = input 2, 3 = GND; shorting pins 1, 2, and 3 together = autoswitch mode

GENERAL

External power supply	100 VAC to 240 VAC, 50/60 Hz, external, universal; to 12 VDC, 1 A max., regulated
Power input requirements	12 VDC, 0.4 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount	Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01; 1U, 6" deep rack shelf, part #60-190-10 or 60-604-10; or VersaTools® rack shelf, part #60-190-20 or 60-604-20. Above-projector mountable with optional Multi-Product Projector Mounting Kit #70-217-01. Also furniture mountable with optional Mini Under-Desk Mounting Kit, #70-212-01.
Enclosure type	Metal
Enclosure dimensions	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) 4.3 cm H x 10.9 cm W x 7.6 cm D (Depth excludes connectors.)
Product weight	0.4 lbs (0.2 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.



Extron
YCS SW2 A
Two Input, Dual Output Transcoding Switcher w/Audio

MODEL	VERSION DESCRIPTION	PART #
YCS SW2 A	Two Input Transcoding Switcher w/Audio	60-874-01

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